

**Silresim Chemical Corp.  
NPL Site Administrative Record  
Explanation of Significant Differences, (ESD)  
Operable Unit 1**

Superfund Records Center

SITE: Silresim Chemical Corp.

PREAK: 70.1

OTHER: 202567

SDMS DocID 293567



**Index**

**ESD Dated: September 2008**

**Released: September 2008**

**Prepared by  
EPA New England  
Office of Site Remediation & Restoration**

This is the administrative record for the Silresim Chemical Corp. Superfund Site, Lowell, Massachusetts, Operable Unit 1, Explanation of Significant Differences (ESD), released September 2008. The file contains site-specific documents used by EPA staff in selecting a response action at the site.

This file includes, by reference, the administrative record for the Record of Decision (ROD), issued September 1991, and the administrative record for a previous Explanation of Significant Differences (ESD), issued September 2003.

The administrative record is available for review at:

EPA New England Superfund Records and Information Center  
1 Congress Street, Suite 1100 (HSC)  
Boston, MA 02114  
(by appointment)  
617-918-1440 (phone)  
617-918-1223 (fax)  
[www.epa.gov/region01/superfund/resource/records.htm](http://www.epa.gov/region01/superfund/resource/records.htm)

Pollard Memorial Library  
401 Merrimack Street  
Lowell, MA 01850  
978-970-4120 (phone)  
<http://www.pollardml.org/>

An administrative record is required by the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), as amended by the Superfund Amendments and Reauthorization Act (SARA).

Please note that the compact disc(s) (CD) containing this Administrative Record may include index data and other metadata (hereinafter collectively referred to as metadata) to allow the user to conduct index searches and key word searches across all the files contained on the CD. All the information that appears in the metadata, including any dates associated with creation of the indexing data, is not part of the Administrative Record for the Site under CERCLA and shall not be construed as relevant to the documents that comprise the Administrative Record. This metadata is provided as a convenience for the user and is not part of the Administrative Record.

Questions about this administrative record should be directed to the EPA New England site manager.

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Final AR ESD OU1  
AR Collection QA Report  
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291847 SEMINAR PUBLICATION: DESIGN AND CONSTRUCTION OF RCRA/CERCLA FINAL COVERS

Author: US EPA - OFFICE OF RESEARCH & DEVELOPMENT  
Addressee:  
Doc Type: REPORT

Doc Date: 05/01/1991 # of Pages: 208  
Phase: 17: SITE MANAGEMENT RECORDS  
File Break: 17.07

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215641 RECORD OF DECISION

Author: US EPA REGION 1  
Addressee:  
Doc Type: RECORD OF DECISION (ROD)

Doc Date: 09/19/1991 # of Pages: 272  
Phase: 05: RECORD OF DECISION (ROD)  
File Break: 05.04

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45939 FINAL ADDITIONAL SITE INVESTIGATION AND REVISION OF SITE CLEAN-UP GOALS, VOLUME 1 OF 2

Author: FOSTER WHEELER ENVIRONMENTAL CORP  
Addressee: US ARMY CORPS OF ENGINEERS  
Doc Type: REPORT

Doc Date: 01/01/2002 # of Pages: 201  
Phase: 03: REMEDIAL INVESTIGATION (RI)  
File Break: 03.06

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45943 FINAL ADDITIONAL SITE INVESTIGATION AND REVISION OF SITE CLEAN-UP GOALS, VOLUME 2 OF 2  
[PART 1 OF 2 :APPENDICES A THROUGH E]

Author: FOSTER WHEELER ENVIRONMENTAL CORP  
Addressee: US ARMY CORPS OF ENGINEERS  
Doc Type: REPORT

Doc Date: 01/01/2002 # of Pages: 378  
Phase: 03: REMEDIAL INVESTIGATION (RI)  
File Break: 03.06

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46035 FINAL ADDITIONAL SITE INVESTIGATION AND REVISION OF SITE CLEAN-UP GOALS, VOLUME 2 OF 2  
[PART 2 OF 2 :APPENDICES F THROUGH M]

Author: FOSTER WHEELER ENVIRONMENTAL CORP  
Addressee: US ARMY CORPS OF ENGINEERS

Doc Type: REPORT

Doc Date: 01/01/2002 # of Pages: 306

Phase: 03: REMEDIAL INVESTIGATION (RI)

File Break: 03.06

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291837 GUIDANCE ON USE, DESIGN, CONSTRUCTION, AND MONITORING OF ENGINEERED BARRIERS, PUBLIC  
COMMENT DRAFT

Author: MA DEPT OF ENVIRONMENTAL PROTECTION - BUREAU OF WASTE SITE CLEANUP (BWSC)  
Addressee:

Doc Type: REPORT

Doc Date: 11/01/2002 # of Pages: 27

Phase: 17: SITE MANAGEMENT RECORDS

File Break: 17.07

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291846 OFFICE OF SOLID WASTE AND EMERGENCY RESPONSE (OSWER) DRAFT GUIDANCE FOR EVALUATING  
VAPOR INTRUSION TO INDOOR AIR PATHWAY FROM GROUNDWATER AND SOILS (SUBSURFACE  
VAPOR INTRUSION GUIDANCE)

Author: US EPA  
Addressee:

Doc Type: REPORT

Doc Date: 11/01/2002 # of Pages: 50

Phase: 17: SITE MANAGEMENT RECORDS

File Break: 17.07

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291849 ACQUISITION OF EASEMENT RIGHTS (11/10/1993 TO 02/26/2003)

**Author:** CARLA FOLZ BRIGHAM GOODWIN PROCTER & HOAR  
**Addressee:** TRUDY A ERNST GOODWIN PROCTER & HOAR  
MARTINAGE ENGINEERING ASSOCIATES INC  
STONE ENVIRONMENTAL INC  
WATERMARK ENVIRONMENTAL  
  
MICHAEL A COLLOTTA FEDERAL DEPOSIT INSURANCE CORP  
JOHN R NADOLNY MAINE CENTRAL RAILROAD COMPANY  
JEAN JERRY PHILLIPS PEPE & HAZARD  
JOHN P SCANNELL NONE  
RUTHANN SHERMAN US EPA REGION 1

**Doc Date:** 02/26/2003 **# of Pages:** 166

**Phase:** 08: POST REMEDIAL ACTION

**File Break:** 08.07

**Doc Type:** MISC

291839 ELECTRICAL RESISTANCE HEATHING PILOT TEST FINAL REPORT

**Author:** FOSTER WHEELER ENVIRONMENTAL CORP  
**Addressee:** US ARMY CORPS OF ENGINEERS - NEW ENGLAND DIVISION

**Doc Date:** 09/01/2003 **# of Pages:** 334

**Phase:** 06: REMEDIAL DESIGN (RD)

**File Break:** 06.02

**Doc Type:** REPORT

48974 EXPLANATION OF SIGNIFICANT DIFFERENCES (ESD)

**Author:** US EPA REGION 1  
**Addressee:**  
  
**Doc Type:** REPORT  
EXP SIGNFICANT DIFF (ESD)

**Doc Date:** 09/30/2003 **# of Pages:** 30

**Phase:** 05: RECORD OF DECISION (ROD)

**File Break:** 05.04

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291851 EVALUATION OF FUTURE GROUNDWATER FLUSHING

Author: TETRA TECH FW INC  
Addressee: US ARMY CORPS OF ENGINEERS - NEW ENGLAND DIVISION  
Doc Type: REPORT

Doc Date: 03/01/2004 # of Pages: 74  
Phase: 06: REMEDIAL DESIGN (RD)  
File Break: 06.02

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291831 DRAFT, SVE EVALUATION TECHNICAL MEMORANDUM, SOURCE CONTROL REMEDIAL ACTION

Author: JACOBS - TETRA TECH FW JOINT VENTURE  
Addressee: TETRA TECH FW INC  
US ARMY CORPS OF ENGINEERS - NEW ENGLAND DIVISION  
Doc Type: REPORT

Doc Date: 11/01/2004 # of Pages: 28  
Phase: 03: REMEDIAL INVESTIGATION (RI)  
File Break: 03.02

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291832 REVIEW OF EXISTING CAP AND CONSIDERATIONS FOR FINAL CAP DESIGN, TECHNICAL MEMORANDUM, SOURCE CONTROL REMEDIAL ACTION

Author: JACOBS - TETRA TECH FW JOINT VENTURE  
Addressee: TETRA TECH FW INC  
US ARMY CORPS OF ENGINEERS - NEW ENGLAND DIVISION  
Doc Type: REPORT

Doc Date: 12/01/2004 # of Pages: 25  
Phase: 06: REMEDIAL DESIGN (RD)  
File Break: 06.02

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291852 FINAL INDOOR AIR/VAPOR INTRUSION ASSESSMENT

Author: TETRA TECH FW INC  
Addressee: US ARMY CORPS OF ENGINEERS - NEW ENGLAND DIVISION  
Doc Type: REPORT

Doc Date: 12/01/2004 # of Pages: 55  
Phase: 03: REMEDIAL INVESTIGATION (RI)  
File Break: 03.02

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291843 MEMO REGARDING DRAFT INTERIM REGIONAL SUPERFUND REMEDIAL VAPOR INTRUSION  
APPROACH

Author: LARRY BRILL US EPA REGION 1

Addressee:

Doc Type: MEMO

Doc Date: 03/23/2007 # of Pages: 5

Phase: 17: SITE MANAGEMENT RECORDS

File Break: 17.07

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291838 DRAFT, EXISTING SILRESIM CAP AS ENGINEERED BARRIER (310 CMR 40.996 (4) (C))

Author: TETRA TECH EC, INC

Addressee:

Doc Type: MEMO

Doc Date: 06/01/2007 # of Pages: 4

Phase: 06: REMEDIAL DESIGN (RD)

File Break: 06.01

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291845 LETTER REGARDING IMPLEMENTATION OF ELECTRICAL RESISTANCE HEATING (ERH)

Author: PAUL LOCKE MA DEPT OF ENVIRONMENTAL PROTECTION

Addressee: LARRY BRILL US EPA REGION 1

Doc Type: LETTER

Doc Date: 06/15/2007 # of Pages: 3

Phase: 09: STATE COORDINATION

File Break: 09.01

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275028 GROUNDWATER MONITORING AND GROUNDWATER TREATMENT SYSTEM OPERATION &  
MAINTENANCE STATUS REPORT NO. 30 AUGUST 6, 2006 - FEBRUARY 5, 2007

Author: STONE ENVIRONMENTAL INC

Addressee:

Doc Type: REPORT

Doc Date: 08/01/2007 # of Pages: 334

Phase: 07: REMEDIAL ACTION (RA)

File Break: 07.06

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291844 LETTER REGARDING FUTURE USE OF SITE

Author: BERNARD F LYNCH CITY OF LOWELL  
Addressee: DANIEL KEEFE US EPA REGION 1  
Doc Type: LETTER

Doc Date: 09/20/2007 # of Pages: 1  
Phase: 13: COMMUNITY RELATIONS  
File Break: 13.01

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291848 DRAFT INDEPENDENT GOVERNMENT COST ESTIMATE - ELECTRICAL RESISTIVE HEATING (ERH)

Author: H FARRELL MCMILLAN US ARMY CORPS OF ENGINEERS - NEW ENGLAND DIVISION  
Addressee: DANIEL KEEFE US EPA REGION 1  
Doc Type: LETTER

Doc Date: 10/09/2007 # of Pages: 19  
Phase: 06: REMEDIAL DESIGN (RD)  
File Break: 06.02

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291833 FINAL CAP EVALUATION REPORT TECHNICAL MEMORANDUM, SOURCE CONTROL REMEDIAL ACTION

Author: JACOBS - TETRA TECH EC JOINT VENTURE  
Addressee: TETRA TECH EC, INC  
US ARMY CORPS OF ENGINEERS - NEW ENGLAND DIVISION  
Doc Type: REPORT

Doc Date: 11/01/2007 # of Pages: 43  
Phase: 06: REMEDIAL DESIGN (RD)  
File Break: 06.01

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291840 ASSESSMENT OF THE VAPOR INTRUSION PATHWAY AND RELATED INSPECTION OF B AND L USED AUTO PARTS

Author: JAMES DILORENZO US EPA REGION 1  
Addressee:  
Doc Type: MEMO

Doc Date: 12/03/2007 # of Pages: 4  
Phase: 03: REMEDIAL INVESTIGATION (RI)  
File Break: 03.02

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293177 POST-CLOSURE OPERATIONS AND MAINTENANCE PLAN

Author: LOUIS BERGER GROUP INC THE  
Addressee: GARY JABLONSKI RI DEPT OF ENVIRONMENTAL MANAGEMENT  
Doc Type: WORK PLAN

Doc Date: 02/01/2008 # of Pages: 24  
Phase: 08: POST REMEDIAL ACTION  
File Break: 08.03

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291836 PROPERTY USE ASSESSMENT, LOWELL IRON AND STEEL

Author: DANIEL KEEFE US EPA REGION 1  
Addressee:  
Doc Type: MEMO

Doc Date: 04/14/2008 # of Pages: 21  
Phase: 03: REMEDIAL INVESTIGATION (RI)  
File Break: 03.02

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280899 TECHNICAL MEMORANDUM SUPPLEMENT CLEAN-UP GOAL EVALUATION

Author: JACOBS - TETRA TECH EC JOINT VENTURE  
Addressee: US ARMY CORPS OF ENGINEERS NEW ENGLAND DISTRICT  
Doc Type: MEMO

Doc Date: 05/05/2008 # of Pages: 50  
Phase: 03: REMEDIAL INVESTIGATION (RI)  
File Break: 03.09

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291853 PUBLIC COMMENT DRAFT, EXPLANATION OF SIGNIFICANT DIFFERENCES (ESD)

Author: US EPA REGION 1  
Addressee: US ARMY CORPS OF ENGINEERS - NEW ENGLAND DIVISION  
Doc Type: REPORT  
EXP SIGNIFICANT DIFF (ESD)

Doc Date: 07/01/2008 # of Pages: 25  
Phase: 05: RECORD OF DECISION (ROD)  
File Break: 05.04

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291854 SILRESIM CHEMICAL CORP, OU 1, ADMINISTRATIVE RECORD INDEX

Author:  
Addressee:  
Doc Type: INDEX

Doc Date: 07/25/2008 # of Pages: 11  
Phase: 05: RECORD OF DECISION (ROD)  
File Break: 20.01

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293563 LETTER REGARDING COMMENTS ON DRAFT EXPLANATION OF SIGNIFICANT DIFFERENCES (ESD)

Author: JAY NAPARSTEK MA DEPT OF ENVIRONMENTAL PROTECTION  
Addressee: ROBERT G CIANCIARULO US EPA REGION 1  
Doc Type: LETTER

Doc Date: 09/10/2008 # of Pages: 4  
Phase: 05: RECORD OF DECISION (ROD)  
File Break: 05.01

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293562 MEMORANDUM REGARDING COMMENTS RECEIVED ON THE PUBIC COMMENT DRAFT EXPLANATION  
OF SIGNIFICANT DIFFERENCES (ESD)

Author: DANIEL KEEFE US EPA REGION 1  
Addressee:  
Doc Type: MEMO

Doc Date: 09/16/2008 # of Pages: 2  
Phase: 05: RECORD OF DECISION (ROD)  
File Break: 05.01

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293564 EXPLANATION OF SIGNIFICANT DIFFERENCES (ESD)

Author: US EPA REGION 1  
Addressee:  
Doc Type: DECISION DOCUMENT  
REPORT  
EXP SIGNIFICANT DIFF (ESD)

Doc Date: 09/17/2008 # of Pages: 24  
Phase: 05: RECORD OF DECISION (ROD)  
File Break: 05.04

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